Claims

1. An aluminum alloy consisting essentially of Zn, Mg, Er as the main alloying elements, and the reminder of Al.

2. The aluminum alloy according to claim 1, wherein the Er is comprised of about 0.1~0.7wt%.

3. The aluminum alloy according to claim 1, wherein the Er is comprised of about 0.25~0.55 wt%.

4. The aluminum alloy according to claim 2, wherein Zn is comprised of about 5.0 ~ 7.0Wt% and Mg is comprised of about 1.5 ~ 2.5Wt%.

5. The aluminum alloy according to claim 3, wherein Zn is comprised of about 5.0 ~ 7.0Wt% and Mg is comprised of about 1.5 ~ 2.5Wt%.

6. An aluminum alloy consisting essentially of Mg, Er as the main alloying elements, and the reminder of Al.

7. The aluminum alloy according to claim 6, wherein the Er is comprised of about 0.1~0.7wt%.

8. The aluminum alloy according to claim 7, wherein the Er is comprised of about 0.25~0.55 wt%.

9. The aluminum alloy according to claim 7, wherein Mg is comprised of about 4.0 ~ 5.6Wt%.

10. The aluminum alloy according to claim 8, wherein Mg is comprised of about 4.0 ~ 5.6Wt%.

11. An aluminum alloy consisting essentially of Li, Zr, Mg, Er as the main alloying elements, and the reminder of Al.

12. The aluminum alloy according to claim 11, wherein the Er is comprised of about 0.05 ~ 0.70wt%.

13. The aluminum alloy according to claim 12, wherein Mg is comprised of about Mg4.9 ~ 5.5Wt%, Li is comprised of about 1.8 ~

2.1Wt% and Zr is comprised of about 0.08 ~ 0.15Wt%.